

## 2022 Nutrient Trades Report

§ 62.1-44.19:18.E. of the State Water Control Law requires that by July 1st of each year, DEQ publish notice of all nitrogen and phosphorus credit exchanges and purchases for the previous calendar year and make all documents relating to the exchanges and purchases available to any person requesting them.

For calendar year 2022 all but 16 registrants under the Watershed General Virginia Pollutant Discharge Elimination System Permit (9 VAC 25-820-70) met their wasteload allocations without the need for trading. All 16 facilities that exceeded their Total Nitrogen and/or Total Phosphorus wasteload allocations acquired enough credits to meet their compliance needs. An adequate supply of credits was available in every basin.

## 2022 Total Nitrogen Credit Transfers

Basin	Facility	Individual VPDES Permit No.	General Permit Registration No.	Design Flow (MGD)	Discharged TN Wasteload Allocation (lbs/yr)	TN Delivery Factor	Delivered TN Wasteload Allocation (lbs/yr)	2022 Discharged TN (lbs)	2022 Delivered TN (lbs)	2022 Delivered TN Exceedance (lbs)	2022 Delivered TN Credits Obtained (lbs)	Source of Credits
Potomac	Town of Luray WWTP (Page County)	VA0062642	VAN010006	1.60	19,492	0.33	6,432	20,163	6,654	222	222	VNCEA
Potomac	Stoney Creek Sanitary District STP	VA0028380	VAN010015	0.60	8,259	0.25	2,065	8,821	2,205	140	140	VNCEA
Rappahannock	City of Fredericksburg WWTF	VA0025127	VAN020095	4.50	54,820	1.00	54,820	63,431	63,431	8,611	8,611	VNCEA
Rappahannock	Hampton Roads Sanitation District -Urbanna WWTP	VA0026263	VAN020034	0.10	1,218	1.00	1,218	2,312	2,312	1,094	1,094	VNCEA
York	WestRock CP LLC - West Point	VA0003115	VAN030049	23.00	259,177	1.00	259,177	384,096	384,096	124,919	124,919	VNCEA
James	South Central Wastewater Authority WWTF	VA0025437	VAN040087	23.00	350,239	1.00	350,239	373,625	373,625	23,386	50,000	VAN040080
James	Buena Vista Public Service Authority-Buena Vista STP	VA0020991	VAN040063	2.25	41,115	0.55	22,613	51,814	28,498	5,885	5,885	VNCEA
James	City of Covington STP	VA0025542	VAN040065	3.00	54,820	0.21	11,512	76,454	16,055	4,543	4,543	VNCEA
James	Hampton Roads Bridge Tunnel I-64 Expansion	VA0093084	VAN040176	1.13	4000	1.00	4000	7,828	7,828	3,828	3,828	VAN040090
									<b>Totals</b>	<b>172,628</b>	<b>199,242</b>	

### Footnotes

VNCEA = Virginia Nutrient Credit Exchange Association

VAN040080 - Chesterfield County

VAN040090 - HRSD James River Aggregate

## 2022 Total Phosphorus Credit Transfers

Basin	Facility	Individual VPDES Permit No.	General Permit Registration No.	Design Flow (MGD)	Discharged TP Wasteload Allocation (lbs/yr)	TP Delivery Factor	Delivered TP Wasteload Allocation (lbs/yr)	2022 Discharged TP (lbs)	2022 Delivered TP (lbs)	2022 Delivered TP Exceedance (lbs)	2022 Delivered TP Credits Obtained (lbs)	Source of Credits
Potomac	Merck Sharp & Dohme Corp. (Outfall 101) <sup>A</sup>	VA0002178	VAN010007	1.20	4,384	0.47	2,060	6,450	3,032	972	2,517	VNCEA
Potomac	Stoney Creek Sanitary District STP	VA0028380	VAN010015	0.60	667	0.47	313	1,299	611	298	298	VNCEA
Potomac	Town of Luray STP (Page County)	VA0062642	VAN010006	1.60	1,462	0.47	687	1,896	891	204	205	VNCEA
Rappahannock	Greene County - Rapidan WWTP	VA0090948	VAN020026	0.60	548	0.75	411	1,756	1,317	906	906	VNCEA
Rappahannock	Hampton Roads Sanitation District -Urbanna WWTP	VA0026263	VAN020034	0.10	91	1.00	91	597	597	506	506	VNCEA
James	WestRock Virginia LLC - Covington	VA0003646	VAN040070	35.00	96,771	0.71	68,707	118,682	84,264	15,557	15,557	VNCEA
James	DuPont Specialty Products USA LLC - Spruance Plant	VA0004669	VAN040079	23.33	6,339	1.00	6,339	20,033	20,033	13,694	13,694	VNCEA
James	Buena Vista Public Service Authority-Buena Vista STP	VA0020991	VAN040063	2.25	2,778	0.71	1,972	7,254	5,150	3,178	3,178	VNCEA
James	VEPCO - Dominion-Chesterfield Power Station	VA0004146	VAN040086	--	170	1.00	170	504	504	334	334	VAN040080
James	Aqua Virginia Aggregate		VAN040178				1,251		1,330	79	79	VNCEA
	Aqua Virginia Inc - Lake Monticello STP	VA0024945		0.995	1,229	0.71		1,689				
	Aqua Virginia Inc - Manakin Farms WWTP	VA0027910		0.10	533	0.71		184				
Eastern Shore	Town of Tangier WWTP (Accomack County)	VA0067423	VAN050004	0.10	91	1.00	91	170	170	79	79	VAN050005
									<b>Totals</b>	<b>35,807</b>	<b>37,353</b>	

### Footnotes

<sup>[A]</sup> In any year when credits are available after all other exchanges within the Potomac Basin are completed in accordance with § 62.1-44.19:18 of the Code of Virginia, Merck shall acquire credits for TN discharged in excess of 14,619 lbs/yr and TP discharged in excess of 1,096 lbs/yr. Credits are only generated if discharged loads are less than these same loads. This equates to the need for 0 delivered pounds of TN credits and 2,517 pounds of TP credits for 2022.

VNCEA = Virginia Nutrient Credit Exchange Association

VAN040080 - Chesterfield County

VAN050005 - Tyson Farms Inc - Temperanceville